Title (en)

Pointing device, pointer movement method and medium, and display device for displaying the pointer

Title (de)

Zeigegerät, Zeigerbewegungsverfahren und -medium sowie Anzeigevorrichtung zur Zeigeranzeige

Title (fr)

Dispositif de pointage, procédé et support de mouvement du pointeur, et dispositif d'affichage pour afficher le pointeur

Publication

EP 1860528 A3 20120118 (EN)

Application

EP 07075290 A 20070417

Priority

KR 20060046218 A 20060523

Abstract (en)

[origin: EP1860528A2] A pointing device and a pointer movement method and medium are disclosed. The pointing device includes an angular velocity detection module detecting a first angular velocity, a second angular velocity, and a third angular velocity of the pointing device turning about three different axes according to movement of a housing, an acceleration detection module detecting an acceleration of the pointing device according to the movement, an attitude computation module computing attitude information of the housing by using the detected acceleration information, a signal conversion module converting the first angular velocity, the second angular velocity, and the third angular velocity into angular velocities in a display coordinate system, respectively, by using the attitude information, and a pointer-coordinate computation module computing coordinates of a pointer to be displayed on a display device by using the converted angular velocity information.

IPC 8 full level

G06F 3/033 (2006.01)

CPC (source: EP KR US)

G06F 3/0346 (2013.01 - EP KR US)

Citation (search report)

- [Y] US 5440326 A 19950808 - QUINN THOMAS J [US]
- [Y] US 2006007115 A1 20060112 - FURUHASHI TOSHINORI [JP], et al
- [A] EP 0429391 A1 19910529 - IBM [US]

Cited by

EP2309360A3; CN102541307A; ITTO20111144A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1860528 A2 20071128; **EP 1860528 A3 20120118**; CN 101078957 A 20071128; CN 101078957 B 20100721; JP 2007317193 A 20071206; JP 5032887 B2 20120926; KR 100827236 B1 20080507; KR 20070113409 A 20071129; US 2007273645 A1 20071129

DOCDB simple family (application)

EP 07075290 A 20070417; CN 200710102255 A 20070508; JP 2007134944 A 20070522; KR 20060046218 A 20060523; US 70621307 A 20070215